

Applicant(s): Pacifico et al.  
Serial No.: Unassigned 10/776,035  
(Divisional of Serial No. 09/996,636)  
Filed: Herewith  
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AMENDMENT TO CLAIMS

Please cancel Claims 1-~~34~~<sup>20</sup>

Please add Claims ~~35-62~~<sup>21-48</sup>

<sup>21</sup>  
Claim ~~35~~ (New): An encapsulated sensitive substance comprising:

- (a) a sensitive substance; and
- (b) an encapsulant material which has been melted and coated onto said sensitive substance.

<sup>22</sup>  
Claim ~~36~~ (New): An encapsulated sensitive substance according to claim ~~35~~<sup>21</sup>, wherein  
said sensitive substance is a volatile liquid material with a boiling point  
between about 40°F and about 250°F.

<sup>23</sup>  
Claim ~~37~~ (New): An encapsulated sensitive substance according to claim ~~35~~<sup>21</sup>, wherein said  
sensitive substance is a volatile liquid material selected from the group consisting of a flavor  
compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic  
acid, antioxidant, and oil.

<sup>24</sup>  
Claim ~~38~~ (New): An encapsulated sensitive substance according to claim ~~37~~<sup>23</sup>, wherein said  
nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and  
vitamin E.

<sup>25</sup>  
Claim ~~39~~ (New): An encapsulated sensitive substance according to claim ~~37~~<sup>23</sup>, wherein said  
volatile liquid material is selected from the group consisting of lemon oil, spearmint oil,  
vanilla extract, garlic oil, and cinnamon.

<sup>26</sup>  
Claim ~~40~~ (New): An encapsulated sensitive substance according to claim ~~35~~<sup>21</sup>, wherein said  
sensitive substance is a biologically active compound.

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<sup>27</sup>  
Claim ~~41~~ (New): An encapsulated sensitive substance according to claim <sup>26</sup>~~40~~, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipoxxygenases and pentosanases.

<sup>28</sup>  
Claim ~~42~~ (New): An encapsulated sensitive substance according to claim <sup>21</sup>~~35~~, wherein said encapsulant material a lipid material.

<sup>29</sup>  
Claim ~~43~~ (New): An encapsulated sensitive substance according to claim <sup>28</sup>~~42~~, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

<sup>30</sup>  
Claim ~~44~~ (New): An encapsulated sensitive substance according to claim <sup>28</sup>~~42~~, wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

<sup>31</sup>  
Claim ~~45~~ (New): An encapsulated sensitive substance according to claim <sup>28</sup>~~42~~, wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

<sup>32</sup>  
Claim ~~46~~ (New): An encapsulated sensitive substance according to claim <sup>21</sup>~~35~~, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

<sup>33</sup>  
Claim ~~47~~ (New): An encapsulated sensitive substance comprising: (a) a plated material comprising a sensitive substance plated onto a solid carrier; and (b) an encapsulant material.

<sup>34</sup>  
Claim ~~48~~ (New): An encapsulated sensitive substance according to claim <sup>33</sup>~~47~~, wherein said sensitive substance is a volatile liquid material with a boiling point between about 40 °F and about 250 °F.

<sup>35</sup>  
Claim ~~49~~ (New): An encapsulated sensitive substance according to claim <sup>34</sup>~~48~~, wherein said

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sensitive substance is a volatile liquid material selected from the group consisting of a flavor compound, aroma, fragrance, vitamin, nutrient, alcohol, acetone, ketone, aldehyde, organic acid, antioxidant, and oil.

36 35  
Claim ~~50~~ (New): An encapsulated sensitive substance according to claim ~~49~~, wherein said nutrient is selected from the group consisting of omega 3 oil, carotenoid, vitamin A and vitamin E.

37 35  
Claim ~~51~~ (New): An encapsulated sensitive substance according to claim ~~49~~, wherein said volatile liquid material is selected from the group consisting of lemon oil, spearmint oil, vanilla extract, garlic oil, and cinnamon.

38 34  
Claim ~~52~~ (New): An encapsulated sensitive substance according to claim ~~48~~, wherein said sensitive substance is a biologically active compound.

39 38  
Claim ~~53~~ (New): An encapsulated sensitive substance according to claim ~~52~~, wherein said biologically active compound is selected from the group consisting of *Lactobacilli*, *Bifidobacterium*, *Enterococci*, phytase, amylases, lipases, invertases, transglutaminases, proteases, lipxygenases and pentosanases.

40 33  
Claim ~~54~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein said solid carrier is selected from the group consisting of maltodextrin, dextrans, silicon dioxide, starches, gums and hydrocolloids.

41 33  
Claim ~~55~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein the particle size of said solid carrier is between about 50 microns and about 2,000 microns.

42 33  
Claim ~~56~~ (New): An encapsulated sensitive substance according to claim ~~47~~, wherein said encapsulant material a lipid material.

43 42  
Claim ~~57~~ (New): An encapsulated sensitive substance according to claim ~~56~~, wherein said lipid material has a melting point between about 60 °F and about 200 °F.

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<sup>44</sup>  
Claim ~~58~~ (New): An encapsulated sensitive substance according to claim ~~56~~<sup>42</sup>, wherein said lipid material is selected from the group consisting of mono-, di-, and triacylglycerols; waxes; and organic esters.

<sup>45</sup>  
Claim ~~59~~ (New): An encapsulated sensitive substance according to claim ~~56~~<sup>42</sup>, wherein said lipid material is selected from the group consisting of soy bean oil, cotton seed oil, canola oil, carnauba wax, beeswax, bran wax, tallow and palm kernel oil.

<sup>46</sup>  
Claim ~~60~~ (New): An encapsulated sensitive substance according to claim ~~47~~<sup>33</sup>, wherein said encapsulant material is present in an amount of about 10 to about 90% by weight of said encapsulated sensitive substance.

<sup>47</sup>  
Claim ~~61~~ (New): An encapsulated sensitive substance, prepared according to a method comprising:

introducing a sensitive substance into an encapsulation vessel, wherein the atmosphere in the encapsulation vessel is inert to the sensitive substance; and  
encapsulating the sensitive substance.

<sup>48</sup>  
Claim ~~62~~ (New): An encapsulated sensitive substance, prepared according to a method comprising:

plating the sensitive substance onto a solid carrier, in an atmosphere inert to the sensitive substance, to form a plated material; and  
encapsulating the plated material.